

REMARKS

Claims 1-14 are pending in the application. It is gratefully acknowledged that Claims 4 and 12 have been objected to as being dependent upon rejected base claims, but would be allowable if rewritten in independent form to include all of the limitations of the base claim and any intervening claims. The Examiner has rejected Claim 1 under 35 U.S.C. §103(a) as being unpatentable over Wright (U.S. Patent 5,809,083) in view of Brink et al. (U.S. Patent 6,038,450). The Examiner has rejected Claims 2, 3 and 5-7 under 35 U.S.C. §103(a) as being unpatentable over Sugita et al. (U.S. Patent 5,608,764) in view of Wright and further in view of Brink et al. The Examiner has rejected Claims 8, 10 and 13 under 35 U.S.C. §103(a) as being unpatentable over Sugita et al. in view of Wright. The Examiner has rejected Claims 9 and 14 under 35 U.S.C. §103(a) as being unpatentable over Sugita et al. in view of Wright, and further in view of Nawata (U.S. Patent 4,803,385).

Please cancel Claim 1, without prejudice.

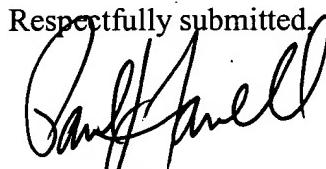
Regarding the rejection of independent Claims 2 and 5 under §103(a), the Examiner states that Sugita et al. in view of Wright and further in view of Brink et al. discloses all of the elements of the claims. Sugita et al. discloses an OFDM synchronization demodulation circuit. In order to compensate for a timing error, Claim 2 recites, “a timing compensator which determines a linear phase difference line for the detected pilot symbol using the pilot symbol and a reference symbol previously known by the receiver, generates a timing error estimation signal according to the determined linear phase difference line, and provides the timing error estimation signal to the analog-to-digital converter and the guard interval remover so as to determine the sampling synchronization and the frame synchronization”,, and Claim 5 recites, “a timing compensator to determine a linear phase difference line for the detected pilot symbol, and generate a timing error estimation signal according to the determined linear phase difference line”. The timing compensator of Claims 2 and 5 at least determines a linear phase difference line and uses the linear phase difference line to compensate for any timing errors. Sugita et al. does not disclose these elements, and Wright and Brink et al. do not cure this deficiency. Based on the foregoing withdrawal of the rejection of Claims 2 and 5 is respectfully requested.

Regarding the rejection of independent Claims 8 and 10 under §103(a), the Examiner states that Sugita et al. in view of Wright discloses all of the elements of the claims. In order to compensate for timing errors Claim 8 recites, "calculating a phase difference between a detected phase of the pilot symbol and a reference phase, and converting the calculated phase to a phase difference value within a specific range", and Claim 10 recites, "calculating a phase difference between the detected phase of the pilot symbol and a reference phase, and converting the calculated phase to a phase difference value within a specific range". The calculation of the phase difference is performed in order to compensate for the timing errors. Sugita et al. does not disclose these elements, and Wright does not cure this deficiency. Based on the foregoing withdrawal of the rejection of Claims 8 and 10 is respectfully requested.

Independent Claims 2, 5, 8 and 10 are believed to be in condition for allowance. Without conceding the patentability per se of dependent Claims 3, 6, 7, 9, 11, 13 and 14, these are likewise believed to be allowable by virtue of their dependence on their respective amended independent claims. Accordingly, reconsideration and withdrawal of the rejections of dependent Claims 3, 6, 7, 9, 11, 13 and 14 is respectfully requested.

Accordingly, all of the claims pending in the Application, namely, Claims 2-14, are believed to be in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicants' attorney at the number given below.

Respectfully submitted,



Paul J. Farrell
Reg. No. 33,494
Attorney for Applicant

DILWORTH & BARRESE
333 Earle Ovington Blvd.
Uniondale, New York 11553
Tel: (516) 228-8484
Fax: (516) 228-8516
PJF/MJM/dr